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INFORMATION DISCLOSURE STATEMENT

Applicant(s): Choong-Chin Liew

Filing Date: June 20, 2003

Group: 1634

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date
gs	1	6,277,574	8/21/01	Walker, et al.			
	2	5,853,996	12/29/98	Mordechai, et al.			
	3	6,251,590	6/26/01	Schweighoffer et al.			
	4	5,882,864	3/16/99	An et al.			
	5	5,942,385	8/24/99	Hirth			
	6	6,479,263	12/12/02	Slawin et al.			
	7	6,048,709	4/11/2000	Falb et al.			
	8	6,124,433	9/26/2000	Falb, et al.			
	9	6,486,299	11/26/02	Shimkets			
	10	6,525,185	2/25/03	Fan, et al.			
	11	5,352,775A	10/4/94	Albertson et al			
	12	5,837,449	11/17/98	Monia et al.			
	13	6,642,002	11/4/04	Loyd, et al.			
	14	6,630,301	10/7/03	Gocke, et al.			
	15	6,692,916	2/17/04	Bevilacqua et al.			
	16	6,521,420	2/18/03	Herman, et al.			
	17	2003/0224374	12/4/03	Dai, HongYue et al.			
	18	2002/0142981	10/3/02	Horne, Darci T. et al.			
	19	2003/0180743	9/25/03	Nagasu et al.			
	20	2004/0121390	6/24/04	Sharma et al.			
	21	5,739,432	4/4/98	Sinha			
	22	6,607,898	8/19/03	Kopreski, et al.			
	23	6,617,170	9/9/03	Augello, et al.			
	24	5,352,775	10/4/94	Albertson et al.			
gs	25	5,837,449	11/17/98	Monia et al.			

FOREIGN PATENT DOCUMENTS


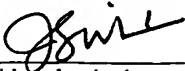
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation
							Yes No
gs	26	DE 44 35 919 C	07 Dec 1995	GERMA NY			
	27	EP 0 534 640 A	31 Mar 1993	EPO			
	28	JP 09 187299	22 Jul 1997	JAPAN			
	29	WO 98/18906	07 May 1998	PCT			
	30	WO 98/24935	11 Jun 1998	PCT			
gs	31	WO 98/33942	06 Aug 1998	PCT			

Juliet C. Sin 7/17/06

32	WO 98/49342	05 Nov 1998	PCT				
33	WO/02/14547	21 Feb 2002	PCT				
34	WO/03/061564	31 Jul 2003	PCT				
35	WO/03/086445	23 Oct 2003	PCT				
36	WO/02/074986	26 Sep 2002	PCT				
37	WO/02/103320	27 Dec 2002	PCT				
38	WO/02/057414A2 Front page and Abstract Only	25 Jul 2002	PCT				
39	WO/03/008647	30 Jan 2003	PCT				
40	WO/03/090694	6 Nov 2003	PCT				
41	WO/03/072827	4 Sep 2003	PCT				
42	WO/04/061410	22 Jul 2004	PCT				
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
43	Campbell, C.; Vernon, S.D; Karem, K.L. Nisenbaum, R. Unger, E.R.(2002) <i>Assessment of Normal Variability in Peripheral Blood Gene Expression</i> . Disease Markers, 18:201-206						
44	Yoshikai et al., "Genomic Organization of the Human Amyloid Beta-Precursor Gene" <i>Gene</i> 87:257-263 (1990)						
45	GENBANK AC:V00565, March 1995; Bell et al.: "Sequence of the Human Insulin Gene" (XP002141055)						
46	GENBANK AJ:003147, December 1998, Bernot et al., "A Transcriptional Map of the FMF Region" (XP002141057)						
47	GENBANK AC:M73548, January 1995, Joslyn et al., "Identification of Deletion Mutations and Three New Genes at the Familial Polyposis Locus" (XP002141058)						
48	GENBANK AC:X52889, September 1993, Liew, "Complete Sequence and Organization of the Human Cardiac Beta-Myosin Heavy Chain Gene" (XP002141056)						
49	GENBANK AC:M54947, April 1993, Seidman et al., "Molecular Studies of the Atrial Natriuretic Factor Gene" (XP002141054)						
50	Nagai et al. "Decrease of the D3 dopamine receptor mRNA expression in lymphocytes from patients with Parkinson's disease," <i>Neurology</i> 46:791-795 (1996)						
51	Mattano et al. "Sensitive Detection of Rare Circulating Neuroblastoma Cells by the Reverse Transcriptase-Polymerase Chain Reaction" <i>Cancer Research</i> 52:4701-4705 (1992)						
52	Katz et al. "Molecular Staging of Prostate Cancer with the Use of an Enhanced Reverse Transcriptase-PCR Assay" <i>Urology</i> 43(6):765-775 (1994)						
53	Burchill et al. "Neuroblastoma cell detection by reverse transcriptase-polymerase chain reaction (RT-PCR) for tyrosine hydroxylase mRNA" <i>Int. J. Cancer</i> 57:671-675 (1994)						
54	Johnson PWM et al. "The molecular detection of circulating tumor cells", <i>British Journal of Cancer</i> 72:268-275 (1995), PAGES 268-276						
55	Seiden et al. Detection of Circulating Tumor Cells in Men with Localized Prostate Cancer <i>Journal of Clinical Oncology</i> 12(12):2634-2639 (1994)						
56	Moreno J.G. et al. "Detection of Hematogenous Micrometastasis in Patients with Prostate Cancer" <i>Cancer Research</i> 52:6110-6112 (1992)						
57	Hannon et al. NCCLS "Blood Collection on Filter Paper for Newborn Screening Programs; Approved Standard—Fourth Edition—NCCLS document LA4-A4 [ISBN 1-56238-503-8] NCCLS, 940 West Valley Road, Suite 1400, Wayne Pennsylvania 19087 USA (2003) Vol. 23 No. 21. Pages 1-31						
58	Ernst et al. NCCLS "Procedures and Devices for the Collection of Diagnostic Capillary Blood Specimens; Approved Standard—Fifth Edition. NCCLS document H4-A5 [ISBN 1-56238-538-0]						

J. Surt 7/14/06

98		NCCLS, 940 West Valley Road, Suite 1400, Wayne Pennsylvania 19087 USA (2004) Vol. 24 No. 21. Pages 1-47
	59	Kopreski Michael, S. et al. August 1999, "Detection of Tumor Messenger RNA in the Serum of Patients with Malignant Melanoma", Clinical Cancer Research Vol 5: 1961-1965
	60	Vernon, S.D. et al; (2002) "Utility of the Blood for Gene Expression and Profiling and Biomarker Discovery in Chronic Fatigue Syndrome, Disease Markers, 18: 193-199
	61	Dasi, Francisco et al. (May 2001) Real-Time quantification in plasma of human telomerase reverse transcriptase (hTERT) mRNA: A simple blood test to monitor disease in cancer patients. Laboratory Investigation, Vol. 81, No. 5, p.767-769,
	62	Fleischhacker, Michael et al. (Sept 2001) Detection of Amplifiable Messenger RNA in the Serum of Patients with Lung Cancer Annals. N Y Acad Sciences 945:179-188
	63	Gal, Shira et al. (Sept 2001) Detection of Mammaglobin mRNA in the Plasma of Breast Cancer Patients Annals, N Y Acad Sciences, 945:192-194
	64	Zhang, H.Q., Lu, H., Enosawa, S. Takahara, K. Sakamoto, T. Nakjima, H. S. and Suzuki, S. (2002) Microarray analysis of Gene Expression in Peripheral Blood Mononuclear Cells Derived from Long-Surviving Renal Recipients, Transplantation Proceedings 34 1757-1759
	65	Baechler, E.C., Batliwalla, F. M., Karypis, G. Gaffney, P.M.; Ortmann, W.A. Espe, K.J., Shark, K.B., Grande W. J. Hughes, K.M., Kapur, V., Gregersen, P.K. and Behrens, T.W. (March 4, 2003) Interferon-inducible gene expression signature in Peripheral Blood Cells of Patients with Severe Lupus. PNAS 100 (5):2610-5.
	66	Lo, Y.M. Dennis (2001 Sept.) Circulating Nucleic Acids in Plasma and Serum: An Overview, Ann N Y Acad Science 945: 1-7
	67	Ng, Enders K.O., Tsui, N.B.Y., Lam, N.Y., Chiu, R.W.K., Yu, S.C.H., Wong, S.C.C., Lo, E.S.F., Rainer, T.H., Johnson, P.J., and Lo, Y.M.D. (August, 2002) Presence of Filterable and Nonfilterable mRNA in the Plasma of Cancer Patients and Healthy Individuals. Clin. Chem. 48(8):1212-1217
	68	Mengelle, C. Sandres-Saune, K. Pasquier, C. Rostaing, L. Mansuy, J-M, Marty, M. Da Silva, I., Attal, M., Massip, P. and Izopet, J. (Aug 2003) Automated Extraction and Quantification of Human Cytomegalovirus DNA in Whole Blood by Real-Time PCR Assay. J. Clin. Microbiology, 41(8):3840-3845
	69	Samuel DePrimo et al. (2003) Expression profiling of Blood Samples from an SU5416 Phase II Metastatic Colorectal Cancer Clinical Trial: A novel strategy for biomarker identification. BMC Cancer, 3(3): 1-12
	70	Taback B. et al. (Dec 15, 2001) Detection of Occult Metastatic Breast Cancer Cells in Blood by a Multimolecular Marker Assay: Correlation with Clinical Stage of Disease. Cancer Research, 61:8845-8850
	71	Schuster R. et al. (2003) Quantitative Real-Time RT-PCR for Detection of Disseminated Tumor Cells in Peripheral Blood of Patients with Colorectal Cancer Using Different mRNA Markers. Int. J. Cancer. 108:219-227
	72	Twine et al. (September 15, 2003) Disease Associated Expression Profiles in Peripheral Blood Mononuclear Cells from Patients with Advanced Renal Cell Carcinoma. Cancer Research, 63:6069-6075
	73	Vawter M. et al. (2004) Microarray screening of lymphocyte gene expression differences in a multiplex schizophrenia pedigree, Schizophrenia Research, 67 (2004):41-52
	74	Neumann et al. (Jan 2002) Identification of differentially expressed genes in rheumatoid arthritis by a combination of complementary DNA array and RNA arbitrarily primed-polymerase chain reaction. Arthritis Rheum. 46(1):52-63.
93	75	Schwering, I. et al. (2003) Profiling of Hodgkin's lymphoma cell line L1236 and germinal center B cells: identification of Hodgkin's lymphoma-specific genes, Molecular Medicine, No. 3-4: 85-95

	76	Martin, K. et al (2001) <i>High-sensitivity array analysis of gene expression for the early detection of disseminated breast tumor cells in peripheral blood</i> Proceedings of National Academy of Sciences, Vol. 98, No. 5: 2646-2651
EXAMINER  7/17/06		DATE CONSIDERED
<p>*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</p> <p>** Copies of references not provided at the time of this submission.</p>		




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U.S. PATENT DOCUMENTS								
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
JS	1	6,190,857	2/20/01	Ralph et al.				
	2	6,218,529	4/17/01	An et al.				
	3	2003/0104393A1	6/05/03	Sharp et al.				
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document No.	Publication Date	Country	Class	Subclass	Translation	
							YES	NO
JS	4	WO01/25473	4/12/01	PCT				
	5	WO03/040404	5/15/03	PCT				
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)								
JS	6	Claudio, J.O. et al. (1998) Genomics 50:44-52						
	7	Chelly J et al. (1989). Proc. Nat. Acad. Sci. USA. 86:2617-2621						
	8	Chelly J et al. (1988). Nature 333:858-860.						
	9	Drews J & Ryser S (1997). Nature Biotech. 15:1318-9.						
	10	Ferrie RM et al. (1992). Am. J. Hum. Genet. 51:251-62						
	11	Fu D-J et al. (1998). Nat. Biotech 16: 381-4.						
JS	12	Gala JL et al. (1998). Clin. Chem. 44(3):472-81.						
EXAMINER Julita					DATE CONSIDERED 7/17/06			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.



	13	Geisterfer-Lowrance AAT <i>et al.</i> (1990). <i>Cell</i> 62:999-1006.	
	14	Groden J <i>et al.</i> (1991). <i>Cell</i> 66:589-600.	
	15	Jandreski MA & Liew CC (1987). <i>Hum. Genet.</i> 76:47-53.	
	16	Jin O <i>et al.</i> (1990). <i>Circulation</i> 82:8-16	
	17	Kimoto Y (1998). <i>Mol. Gen. Genet</i> 258:233-239.	
	18	Koster M <i>et al.</i> (1996). <i>Nat. Biotech</i> 14: 1123-8	
	19	Liew & Jandreski (1986). <i>Proc. Nat. Acad. Sci. USA.</i> 83:3175-3179	
	20	Liew CC <i>et al.</i> (1990). <i>Nucleic Acids Res.</i> 18:3647-3651.	
	21	Liew CC (1993). <i>J Mol. Cell. Cardiol.</i> 25:891-894	
	22	Liew CC <i>et al.</i> (1994). <i>Proc. Natl. Acad. Sci. USA.</i> 91:10645-10649	
	23	Liew <i>et al.</i> (1997). <i>Mol. and Cell. Biochem.</i> 172:81-87.	
	24	Marshall KW (1996) <i>Journal of Rheumatology</i> 23(4):582-585	
	25	Niimura H <i>et al.</i> (1998). <i>New Eng. J. Med.</i> 338:1248-1257	
	26	Ogawa M (1993). <i>Blood</i> 81:2844-2853	
	27	Ricci, <i>et al.</i> (1997) <i>Neuroscience Letters</i> 229:130-134	
		28	Santoro IM & Groden J (1997). <i>Cancer Res.</i> 57:488-494.
		29	Yuasa T <i>et al.</i> (1998). <i>Japanese J. Cancer Res.</i> 89:879-882
	EXAMINER  7/17/06		DATE CONSIDERED
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